

Technical drawing of a mechanical component, likely a valve or actuator, showing a cross-section. The component has a rounded, dome-like top (1) and a cylindrical body (2). A horizontal shaft (6) passes through the center, with a flange (7) at the right end. The bottom of the dome is labeled 4, and the left side is labeled 5.

FIG. 3

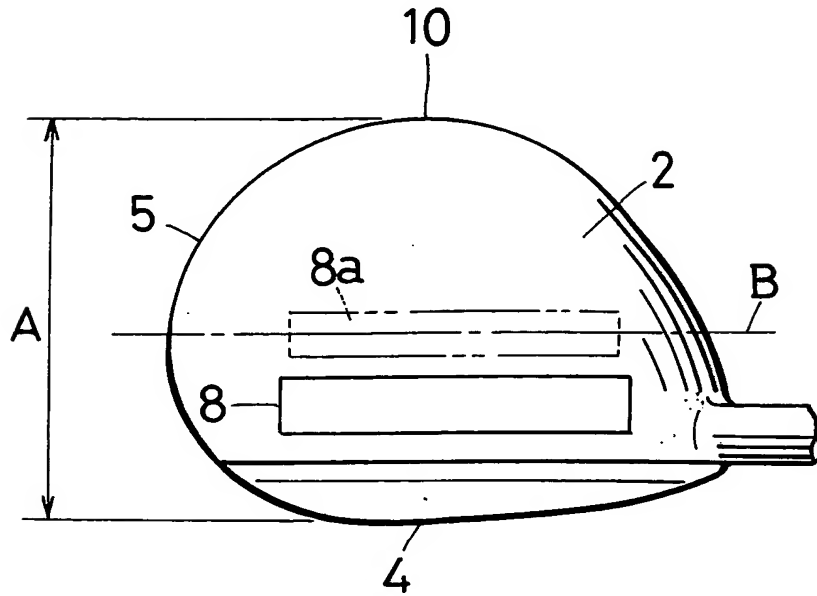


FIG. 4

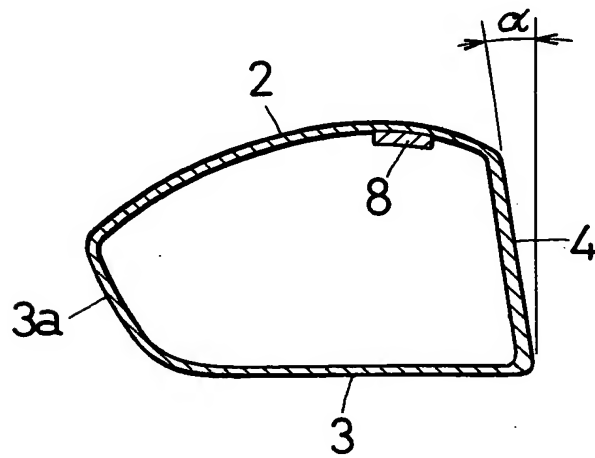


FIG. 5

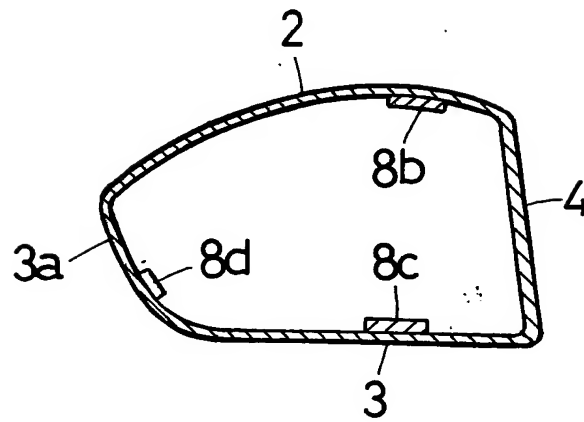


FIG. 6

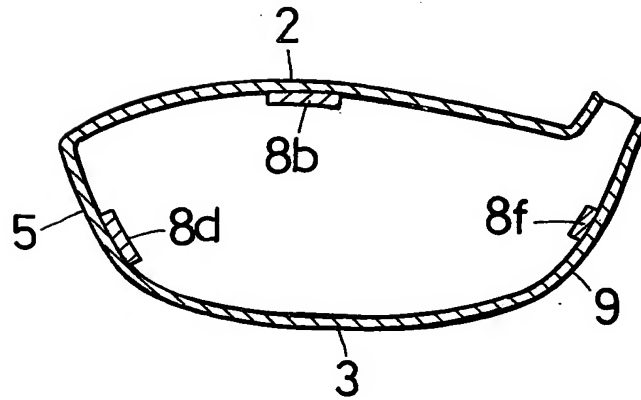


FIG.7

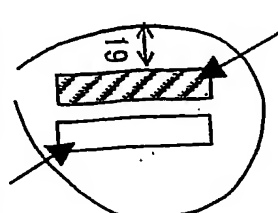
| No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Launching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|--|-------------------|-------------------|------------------------|--------------------------------|---------------------|-----------------|---------------|-----------------|
|  | | | | | | | | |
| 1 | 42.8 | 57.2 | 134 | 16.4 | 2,810 | 206 | 12 | 218 |
| 2 | 42.7 | 57.0 | 133 | 16.6 | 2,580 | 206 | 13 | 219 |
| 3 | 42.8 | 57.0 | 133 | 16.7 | 2,710 | 206 | 12 | 218 |
| 4 | 42.9 | 57.2 | 133 | 16.8 | 2,840 | 206 | 12 | 218 |
| 5 | 42.7 | 56.9 | 133 | 16.6 | 2,660 | 205 | 13 | 218 |
| 6 | 42.9 | 57.0 | 133 | 16.7 | 2,390 | 206 | 14 | 220 |
| 7 | 42.9 | 57.1 | 133 | 16.5 | 2,810 | 206 | 12 | 218 |
| 8 | 42.6 | 56.8 | 133 | 16.7 | 2,950 | 205 | 11 | 216 |
| 9 | 42.9 | 57.0 | 133 | 16.6 | 2,480 | 206 | 13 | 219 |
| 10 | 42.7 | 56.8 | 133 | 17.5 | 2,510 | 206 | 12 | 218 |
| 11 | | | | | | | | |
| Ave. | 42.8 | 57.0 | 133 | 16.7 | 2,674.0 | 205.8 | 12.4 | 218.2 |

FIG.8

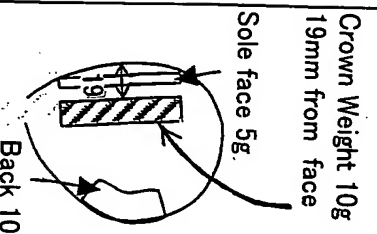
| No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Launching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|---|-------------------|-------------------|------------------------|--------------------------------|---------------------|-----------------|---------------|-----------------|
|  | | | | | | | | |
| 1 | 42.6 | 57.2 | 134 | 16.6 | 2,500 | 206 | 14 | 220 |
| 2 | 42.9 | 57.3 | 134 | 16.5 | 2,680 | 207 | 12 | 219 |
| 3 | 42.5 | 57.2 | 135 | 16.6 | 2,510 | 207 | 13 | 220 |
| 4 | 42.8 | 57.3 | 134 | 16.4 | 2,830 | 207 | 12 | 219 |
| 5 | 42.9 | 57.1 | 133 | 16.7 | 3,020 | 206 | 11 | 217 |
| 6 | 42.9 | 57.3 | 134 | 16.3 | 2,790 | 206 | 12 | 218 |
| 7 | 42.7 | 57.1 | 134 | 13.8 | 2,470 | 206 | 14 | 220 |
| 8 | 42.9 | 57.3 | 134 | 13.7 | 2,780 | 207 | 12 | 219 |
| 9 | 42.7 | 57.3 | 134 | 16.9 | 3,000 | 207 | 11 | 218 |
| 10 | 42.6 | 57.2 | 134 | 16.5 | 2,560 | 207 | 13 | 220 |
| 11 | | | | | | | | |
| Ave. | 42.8 | 57.2 | 134 | 16.6 | 2,714.0 | 206.6 | 12.4 | 219 |

FIG.9

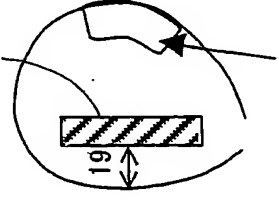
| | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|---|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| Loft 11° 19mm from face 10g  Back 10g | 1 | 43.1 | 58.1 | 135 | 11.7 | 2,300 | 196 | 26 | 222 |
| | 2 | 43.0 | 58.1 | 135 | 11.5 | 2,160 | 194 | 28 | 222 |
| | 3 | 42.9 | 58.1 | 135 | 11.6 | 2,120 | 195 | 28 | 223 |
| | 4 | 43.2 | 58.0 | 134 | 11.6 | 2,370 | 195 | 25 | 220 |
| | 5 | 42.7 | 58.0 | 136 | 11.6 | 2,100 | 193 | 28 | 221 |
| | 6 | 42.7 | 58.3 | 137 | 12.0 | 1,060 | 197 | 27 | 224 |
| | 7 | 42.9 | 58.3 | 136 | 11.9 | 2,280 | 198 | 25 | 223 |
| | 8 | 43.3 | 58.0 | 134 | 11.6 | 2,460 | 196 | 24 | 220 |
| | 9 | 43.0 | 58.0 | 135 | 11.7 | 2,220 | 196 | 26 | 222 |
| | 10 | 43.1 | 58.1 | 135 | 11.7 | 2,320 | 196 | 25 | 221 |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | Ave. | 43.0 | 58.1 | 135 | 11.7 | 2,239.0 | 195.6 | 26.2 | 221.8 |

FIG.10

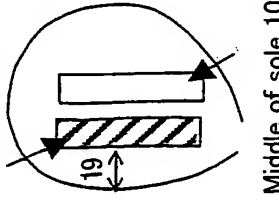
| | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|---|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| Loft 11° 19mm from face 10g  Middle of sole 10g | 1 | 43.0 | 57.6 | 134 | 12.0 | 2,270 | 194 | 25 | 219 |
| | 2 | 43.0 | 57.6 | 134 | 11.9 | 2,190 | 193 | 27 | 220 |
| | 3 | 42.9 | 57.5 | 134 | 12.0 | 2,370 | 195 | 24 | 219 |
| | 4 | 43.1 | 57.7 | 134 | 11.8 | 2,410 | 195 | 24 | 219 |
| | 5 | 43.2 | 57.6 | 133 | 12.1 | 2,290 | 194 | 25 | 219 |
| | 6 | 43.3 | 57.5 | 133 | 11.8 | 2,720 | 192 | 21 | 213 |
| | 7 | 43.1 | 57.4 | 133 | 12.1 | 2,410 | 194 | 24 | 218 |
| | 8 | 43.2 | 57.5 | 133 | 12.1 | 2,340 | 195 | 25 | 220 |
| | 9 | 43.2 | 57.6 | 133 | 12.1 | 2,740 | 198 | 21 | 219 |
| | 10 | 43.2 | 57.6 | 133 | 12.4 | 2,490 | 197 | 23 | 220 |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | Ave. | 43.1 | 57.6 | 133 | 12.0 | 2,423.0 | 194.7 | 23.9 | 218.6 |

FIG.11

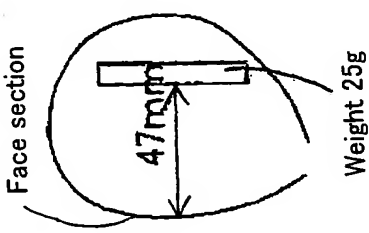
| <div>Face section</div> <div></div> <div>Weight 25g</div> | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|--|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| | 1 | 42.5 | 58.2 | 137 | 10.3 | 3,080 | 196 | 22 | 218 |
| | 2 | 42.4 | 58.3 | 138 | 10.8 | 3,250 | 199 | 19 | 218 |
| | 3 | 42.3 | 58.3 | 138 | 10.2 | 3,410 | 198 | 19 | 217 |
| | 4 | 42.5 | 58.4 | 137 | 10.6 | 3,020 | 199 | 21 | 220 |
| | 5 | 42.6 | 58.5 | 137 | 10.5 | 3,120 | 198 | 21 | 219 |
| | 6 | 42.5 | 58.6 | 138 | 10.3 | 3,120 | 198 | 21 | 219 |
| | 7 | 42.5 | 58.1 | 137 | 10.6 | 3,440 | 198 | 18 | 216 |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| | 11 | | | | | | | | |
| 12 | | | | | | | | | |
| Ave. | 42.5 | 58.3 | 137 | 10.5 | 3,205.7 | 198 | 20.1 | 218.1 | |

FIG.12

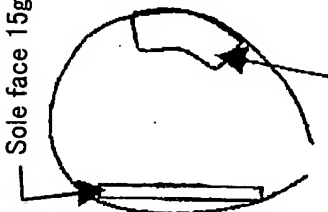
| Loft 15.5°  | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|---|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| | 1 | 42.7 | 56.4 | 132 | 18.7 | 3,180 | 204 | 9 | 213 |
| | 2 | 42.6 | 56.5 | 133 | 18.2 | 3,090 | 204 | 10 | 214 |
| | 3 | 42.7 | 56.3 | 132 | 18.5 | 3,030 | 204 | 9 | 213 |
| | 4 | 42.7 | 56.5 | 132 | 18.5 | 3,160 | 205 | 8 | 213 |
| | 5 | 42.9 | 56.6 | 132 | 18.1 | 2,900 | 206 | 10 | 216 |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | Ave. | 42.7 | 56.5 | 132 | 18.4 | 3,072.0 | 204.6 | 9.2 | 213.8 |

FIG.13

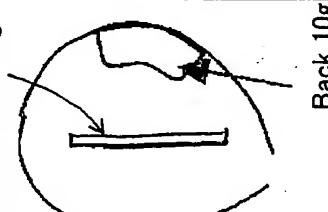
| Loft 15.5°  | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|---|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| | 1 | 42.8 | 56.7 | 132 | 15.8 | 3,130 | 202 | 12 | 214 |
| | 2 | 43.0 | 56.7 | 132 | 16.1 | 3,250 | 202 | 11 | 213 |
| | 3 | 43.0 | 56.8 | 132 | 16.0 | 3,020 | 203 | 12 | 215 |
| | 4 | 43.0 | 56.7 | 132 | 16.1 | 3,120 | 202 | 12 | 214 |
| | 5 | 43.0 | 56.7 | 132 | 16.2 | 3,160 | 203 | 11 | 214 |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | Ave. | 43.0 | 56.7 | 132 | 16.0 | 3,136.0 | 202.4 | 11.6 | 214 |

FIG.14

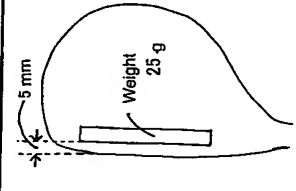
|  | Crown Weight 25g in a position 5mm from the leading part | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|---|--|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| | | | | | | | | | | |
| | | 1 | 42.9 | 57.4 | 134 | 12.4 | 2,430 | 197 | 23 | 220 |
| | | 2 | 42.8 | 57.4 | 134 | 12.4 | 2,680 | 198 | 21 | 219 |
| | | 3 | 42.9 | 58.0 | 135 | 11.3 | 2,540 | 196 | 24 | 220 |
| | | 4 | 42.9 | 58.0 | 135 | 12.1 | 2,350 | 198 | 24 | 222 |
| | | 5 | 43.2 | 57.4 | 133 | 11.1 | 2,870 | 193 | 22 | 215 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | Ave. | 42.9 | 57.6 | 134 | 11.9 | 2,574 | 196 | 23 | 219 |

FIG.15

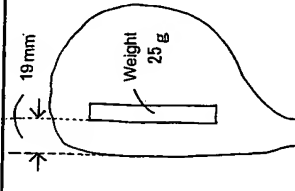
|  | Crown Weight 25g in a position 19mm from the leading part | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|--|---|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| | | | | | | | | | | |
| | | 1 | 43.0 | 58.0 | 135 | 12.1 | 2,210 | 197 | 26 | 223 |
| | | 2 | 42.7 | 58.0 | 136 | 12.2 | 2,240 | 197 | 25 | 222 |
| | | 3 | 43.0 | 58.7 | 137 | 12.3 | 2,290 | 202 | 23 | 225 |
| | | 4 | 43.1 | 58.1 | 135 | 12.7 | 2,060 | 199 | 25 | 224 |
| | | 5 | 42.9 | 58.1 | 135 | 12.2 | 2,030 | 195 | 27 | 222 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | Ave. | 42.9 | 58.2 | 135 | 12.3 | 2,166 | 198 | 25 | 223 |

FIG.16

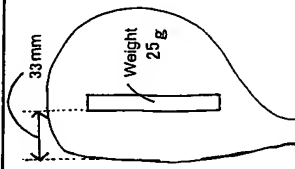
| | | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|---|------|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
|  <p>33mm</p> <p>Weight 25 g</p> <p>Crown Weight 25g in a position 33mm from the leading part</p> | 1 | 43.1 | 58.8 | 136 | 12.2 | 2,970 | 205 | 18 | 223 | |
| | 2 | 43.2 | 58.4 | 135 | 11.8 | 2,870 | 202 | 19 | 221 | |
| | 3 | 43.2 | 58.6 | 136 | 11.8 | 2,670 | 201 | 22 | 223 | |
| | 4 | 43.1 | 58.3 | 135 | 12.1 | 2,860 | 202 | 19 | 221 | |
| | 5 | 43.4 | 58.5 | 135 | 10.8 | 3,550 | 198 | 16 | 214 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Ave. | 43.2 | 58.5 | 135 | 11.7 | 2,984 | 202 | 19 | 220 | |

FIG.17

| | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|--|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| Crown Weight 15g in a position 19mm from the leading part 10g at the sole | 1 | 43.3 | 58.9 | 136 | 12.9 | 1,930 | 201 | 25 | 226 |
| | 2 | 43.0 | 58.9 | 137 | 12.6 | 2,280 | 202 | 22 | 224 |
| | 3 | 42.9 | 58.9 | 137 | 12.2 | 1,980 | 199 | 26 | 225 |
| | 4 | 43.3 | 59.1 | 136 | 12.2 | 1,950 | 198 | 27 | 225 |
| | 5 | 43.3 | 58.7 | 136 | 12.4 | 1,950 | 199 | 27 | 226 |
| | Ave. | 43.2 | 58.9 | 136 | 12.5 | 2,018 | 200 | 25 | 225 |

FIG.18

| | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|--|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| Crown Weight 10g in a position 19mm from the leading part 10g at the sole 5g at the back | 1 | 43.2 | 59.0 | 137 | 12.2 | 2,670 | 205 | 20 | 225 |
| | 2 | 43.3 | 59.3 | 137 | 12.0 | 2,570 | 206 | 21 | 227 |
| | 3 | 43.4 | 58.7 | 135 | 12.1 | 2,590 | 203 | 21 | 224 |
| | 4 | 43.4 | 58.5 | 135 | 13.1 | 2,270 | 203 | 22 | 225 |
| | 5 | 43.0 | 58.8 | 137 | 13.6 | 2,140 | 206 | 21 | 227 |
| | Ave. | 43.3 | 58.9 | 136 | 12.6 | 2,448 | 205 | 21 | 226 |

FIG.19

| | No. | Head Sp. (m/s) | Ball Sp. (m/s) | Meeting rate (%) | Lauching angel (degree) | Backspin (r.p.m) | Carry (yard) | Run (yard) | Total (yard) |
|--|------|-------------------|-------------------|------------------------|-------------------------------|---------------------|-----------------|---------------|-----------------|
| Crown Weight 10g in a position 19mm from the leading part 5g at the sole 10g at the back | 1 | 42.7 | 58.8 | 138 | 12.7 | 2,510 | 205 | 21 | 226 |
| | 2 | 42.9 | 58.7 | 137 | 12.8 | 2,410 | 203 | 21 | 224 |
| | 3 | 43.0 | 58.4 | 136 | 12.8 | 2,690 | 204 | 19 | 223 |
| | 4 | 42.9 | 58.6 | 137 | 13.0 | 2,400 | 205 | 20 | 225 |
| | 5 | 42.8 | 58.5 | 137 | 13.2 | 2,650 | 206 | 18 | 224 |
| | Ave. | 42.9 | 58.6 | 137 | 12.9 | 2,532 | 205 | 20 | 224 |